

REMARKS

Claims 1-53 are pending in the present application. The drawings were objected to under 37 CFR §1.84. Claims 1, 2, 4, 15, 16, 24, 25, 27, 38, 39, 47-49 and 51 were rejected under 35 U.S.C. §102(b) as being anticipated by Driscoll, U.S. Patent No. 5,717,913. Claims 3, 17-19, 22, 23, 26, 40-42, 45, 46, 52 and 53 were rejected under 35 U.S.C. §103(a) as being unpatentable over Driscoll in view of Iguchi et al., U.S. Patent No. 5,590,317. Claims 5-14, 28-37, and 50 were rejected under 35 U.S.C. §103(a) as being unpatentable over Driscoll in view of Smith et al., U.S. Patent No. 6,327,561. Claims 20, 21, 43 and 44 were rejected under 35 U.S.C. §103(a) as being unpatentable over Driscoll and Iguchi et al. in view of Carus, U.S. Patent No. 5,890,103.

Drawing Figs. 2 and 3 have been amended. Reconsideration of the application is respectfully requested.

Objections to the drawings

The drawings Figs. 2 and 3 were objected to under 37 CFR §1.84. Replacement Figs. 2 and 3 with better legibility and proper margins are submitted herewith. It is respectfully submitted that no new matter has been added.

Withdrawal of the objections to the drawings under 37 CFR §1.84 is respectfully requested.

Rejection under 35 U.S.C. §102(b)

Claims 1, 2, 4, 15, 16, 24, 25, 27, 38, 39, 47-49 and 51 were rejected under 35 U.S.C. §102(b) as being anticipated by Driscoll, U.S. Patent No. 5,717,913.

Driscoll describes an information filtering system for retrieving relevant text data from a data base document collection. The user may review only those documents that have relevancy values that exceed a preselected threshold value. See Abstract.

Independent claims 1, 24, 47 and 49 respectively recite "modifying the input text

stream according to the filter configuration so as to generate a filtered text stream, the filtered text stream including positioning information for the input text stream” (claims 1 and 47) and a “scanner unit configured to modify the input text stream using the filter configuration data structure so as to generate a filtered text stream, the filtered text stream including positioning information for the input text stream” (claims 24 and 49). It is respectfully submitted that Driscoll does not teach or suggest a filtered text stream including positioning information for the input text stream, as recited. In contrast, Driscoll merely describes filtering documents where documents having a “relevancy value” above a selected threshold are displayed. The relevancy values are calculated based on the number of word matches (“hits”) when a stored document is compared to synonym lists. See col. 5, lines 14-67, col. 6, lines 45-57, and Fig. 3. No filtered data stream including positioning information is provided. As described in the present specification, the positioning information may refer to positions of characters in the input text stream. Moreover, the positioning information may include directives. The directives may include executable actions, the executable actions being executable by a scanner receiving the filtered text stream. See Specification at paragraph [0023].

Nor do the prior information filtering (“IF”) and information retrieval (“IR”) process described in the “Background and Prior Art” section of Driscoll teach or suggest a filtered text stream including positioning information for the input text stream, as recited. As described in Driscoll, such systems merely assign a numeric “weight” to the text and may use “statistical information” about archived text in a comparison step. See Driscoll, col. 3, lines 1-20. Again, no filtered data stream including positioning information is taught or suggested.

Moreover, with regard to claims 16, 39 and 51, it is respectfully submitted that Driscoll does not teach or suggest positioning information including directives, as recited in those claims. In contrast, Driscoll describes a count being incremented each time a matched hit occurs, and a count of total words in a document being increased. See Driscoll col. 6, lines 45-53. This is not a directive. As discussed in the present specification, directives may include the difference in length between a matched text and a replacement text. Directives may include executable actions executable by a scanner receiving the filtered text stream. See Specification at paragraphs [0043] and [0048]. Driscoll does not teach or suggest positioning information including directives.

Withdrawal of the rejection of independent claims 1, 24, 47 and 49, as well as their respective dependent claims 2, 4, 15 and 16; 25, 27, 38 and 39; 48; and 51 under 35 U.S.C. §102(b) based on Driscoll, is respectfully requested.

Rejection under 35 U.S.C. §103(a) based on Driscoll in view of Iguchi et al.

Claims 3, 17-19, 22, 23, 26, 40-42, 45, 46, 52 and 53 were rejected under 35 U.S.C. §103(a) as being unpatentable over Driscoll in view of Iguchi et al., U.S. Patent No. 5,590,317.

Iguchi et al. describes a document information compression and retrieval system in which words in a document are converted to compressed codes for storing a compressed text. See Abstract.

Dependent claims 3, 17-19, 22, 23, 26, 40-42, 45, 46, 52 and 53 each properly depend from, and therefore incorporate all the limitations of, respective independent claim 1, 24, 47 or 49. As discussed above, Driscoll does not teach or suggest the filtered data stream including positioning information limitation recited independent claims 1, 24, 47 and 49. Iguchi et al. also does not teach or suggest this feature. Therefore a combination of Iguchi et al. with Driscoll, if proper, could not teach or suggest this feature.

Moreover, with specific regard to claims 17, 40 and 52, it is respectfully submitted that Iguchi et al. does not teach or suggest the directives include executable actions, the executable actions being executable by a scanner receiving the filtered text stream, as recited in those claims. In contrast, Iguchi et al. describes “synonym expansion” being executed for keywords or “allowable character string expansion” being executed in a text retrieval operation. The keywords may be input through a scanner. See Iguchi et al., col. 22, line 48 through col. 23, line 29, and Fig. 10. As best understood, in the Iguchi et al. process, “expansion” processes are merely executed on text character strings. In Iguchi et al. executable actions executable by a scanner are not included in directives included in positioning information included in the filtered text stream itself. Nor does Driscoll does or teach or suggest the features recited in claims 17, 40 and 52.

Moreover, with specific regard to claims 18, 41 and 55, it is respectfully submitted that Iguchi et al. does not teach or suggest a modified scanner generator skeleton configured to receive the filtered text stream, the modified scanner generator skeleton being useable to generate a scanner capable of applying the positioning information, as recited in those claims. In contrast, as discussed above relative to claims 17, 40 and 52, Iguchi et al. as best understood describes "expansion" processes executed on text character strings. As discussed in the present specification, the recited modified scanner skeleton may be a modified scanner skeleton of a scanner generator such as Flex or Rex, for example. The scanner skeleton may include source code which is nearly invariant over all scanners generated by the respective scanner generator, i.e., the source code which is independent of the scanner configuration--patterns, start states and actions. In addition, the scanner skeleton may include indicators on where to insert source code which depends on the scanner definition. The scanner skeleton may also include source code present in the generated scanner when certain types of patterns or actions are used. See Specification at paragraph [0045]. Iguchi et al. as best understood provides no such teaching; Iguchi et al. merely executes actions on a text stream. Nor does Driscoll does or teach or suggest the features recited in claims 18, 41 and 53. Similarly, generating a scanner using the modified scanner generator skeleton, as recited in claims 19 and 42, is not taught or suggested by Driscoll or Iguchi et al.

Withdrawal of the rejection of claims 3, 17-19, 22, 23, 26, 40-42, 45, 46, 52 and 53 under 35 U.S.C. §103(a) based on Driscoll in view of Iguchi et al., is respectfully requested.

Rejection under 35 U.S.C. §103(a) based on Driscoll in view of Smith et al.

Claims 5-14, 28-37, and 50 were rejected under 35 U.S.C. §103(a) as being unpatentable over Driscoll in view of Smith et al., U.S. Patent No. 6,327,561.

Smith et al. describes replacing a matched text substring with a replacement pattern in a method of customized tokenization of domain specific text. See Abstract.

Dependent claims 5-14, 28-37, and 50 each properly depend from, and therefore incorporate all the limitations of, respective independent claim 1, 24, or 49. As discussed above, Driscoll does not teach or suggest the filtered data stream including positioning

information limitation recited in independent claims 1, 24, and 49. Smith et al. also does not teach or suggest this feature. Therefore a combination of Smith et al. with Driscoll, if proper, could not teach or suggest this feature.

Withdrawal of the rejection of claims 5-14, 28-37, and 50 under 35 U.S.C. §103(a) based on Driscoll in view of Smith et al., is respectfully requested.

Rejection under 35 U.S.C. §103(a) based on Driscoll and Iguchi et al. in view of Carus

Claims 20, 21, 43 and 44 were rejected under 35 U.S.C. §103(a) as being unpatentable over Driscoll and Iguchi et al. in view of Carus, U.S. Patent No. 5,890,103.

Carus describes a tokenization apparatus and method that parses natural language text. See Abstract.

Dependent claims 20, 21, 43 and 44 each properly depend from, and therefore incorporate all the limitations of, respective independent claim 1 or 24. As discussed above, Driscoll does not teach or suggest the filtered data stream including positioning information limitation recited independent claims 1 and 24. Neither Iguchi et al. nor Carus teach or suggest this feature. Therefore a combination of Carus with Iguchi et al. and Driscoll, if proper, could not teach or suggest this feature.

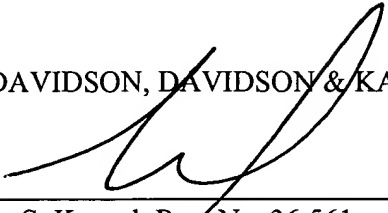
Withdrawal of the rejection of claims 20, 21, 43 and 44 under 35 U.S.C. §103(a) based on Driscoll and Iguchi et al. in view of Carus, is respectfully requested.

CONCLUSION

It is respectfully submitted that the application is now in condition for allowance.

Respectfully submitted,

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